INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP03/03439

A. CLASSII Int.C	FICATION OF SUBJECT MATTER C1 ⁷ G11B5/667, 5/851, C22C38/	00	
According to	International Patent Classification (IPC) or to both no	ational classification and IPC	
B. FIELDS			
Int.C	cumentation searched (classification system followed C1 G11B5/62-5/858, C22C38/00		
Jitsuy Kokai	on searched other than minimum documentation to the yo Shinan Koho 1922–1996 Jitsuyo Shinan Koho 1971–2003	Toroku Jitsuyo Shinan Koho Jitsuyo Shinan Toroku Koho	o 1994-2003 o 1996-2003
Electronic dat JOIS	ta base consulted during the international search (nam	ne of data base and, where practicable, sear	rch terms used)
C. DOCUM	IENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where ap	opropriate, of the relevant passages	Relevant to claim No.
А	JP 11-134634 A (NEC Corp.), 21 May, 1999 (21.05.99), Full text; all drawings (Family: none)		1-10
А	JP 2001-176048 A (NEC Corp.) 29 June, 2001 (29.06.01), Full text; all drawings (Family: none)	•	1-10
λ	JP 11-203654 A (NEC Corp.), 30 July, 1999 (30.07.99), Full text; all drawings (Family: none)		1-10
× Further	documents are listed in the continuation of Box C.	See patent family annex.	
"A" document defining the general state of the art which is not considered to be of particular relevance "E" carlier document but published on or after the international filing date "L." document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed		"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art document member of the same patent family	
27 May	tual completion of the international search y, 2003 (27.05.03)	Date of mailing of the international searce 10 June, 2003 (10.0)	
Name and mailing address of the ISA/ Japanese Patent Office		Authorized officer	
Facsimile No.		Telephone No.	

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Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
A	JP 11-185237 A (NEC Corp.), 09 July, 1999 (09.07.99), Full text; all drawings (Family: none)	1-10
А	JP 57-176531 A (Canon Inc.), 29 October, 1982 (29.10.82), Full text; all drawings (Family: none)	1-10
A	JP 57-36435 A (Matsushita Electric Industrial Co., Ltd.), 27 February, 1982 (27.02.82), Full text; all drawings (Family: none)	1-10
А	Naohito HAYASHI, "Fe-Si-Al-N Jisei Hakumaku no Jiki Tokusei ni Oyobosu SiO2 Kachimaku no Koka", The Institute of Electronics, Information and Communication Engineers Zenkoku Taikai Koen Ronbunshu, March, 1989, Vol.1989, No.Spring Pt.5, pages.5 to 342	1-10
A	Naohito HAYASHI, "Fe-Si-Al-N Gokin Hakumaku o Mochiita Suichoku Jiki Head", The Institute of Electronics, Information and Communication Engineers Zenkoku Taikai Koen Ronbunshu, March, 1988, Vol.1988, No.Spring Pt.2, pages 2 to 19	1-10
A	Daishun Zheng, "Study on The Fe-Al-N Soft Magnetic Thin Films", The Institute of Electronics, Information and Communication Engineers Gijutsu Kenkyu Hokoku, 08 November, 2000 (08.11.00), Vol.100, No.423, pages 73 to 78	1-10
A	Hirotaka Hokkyo, "Media Noise Characteristics of CoCrTa/FeSiAl Perpendicular Magnetic Recording Media", Journal of The Magnetics Society of Japan, 1997, Vol.21, Supplement No.S2, pages 517 to 520	1-10